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L3: Entry 1 of 1 File: DWPI Mar 4, 1999

DERWENT-ACC-NO: 1999-204894
DERWENT-WEEK: 200202

TITLE: Video compression, decompression and capture system for analogue composite video information where image is represented by frames

INVENTOR: THOMPSON, P A

PATENT-ASSIGNEE:

ASSIGNEE	CODE
CONNECTIX CORP	CONNN
LOGITECH INC	LOGIN

PRIORITY-DATA: 1997US-0920386 (August 29, 1997)

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PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
WO 9911070 A1	March 4, 1999	E	029	H04N007/18
GB 2346286 B	November 28, 2001		000	H04N005/44
AU 9890336 A	March 16, 1999		000	
US 6043845 A	March 28, 2000		000	H04N007/18
GB 2346286 A	August 2, 2000		000	H04N005/44
CN 1273003 A	November 8, 2000		000	H04N007/18

DESIGNATED-STATES: AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW NL OA PT SD SE SZ UG ZW

APPLICATION-DATA:

PUB-NO	APPL-DATE	APPL-NO	DESCRIPTOR
WO 9911070A1	August 25, 1998	1998WO-US17601	
GB 2346286B	August 25, 1998	1998WO-US17601	
GB 2346286B	March 27, 2000	2000GB-0007434	
GB 2346286B		WO 9911070	Based on
AU 9890336A	August 25, 1998	1998AU-0090336	
AU 9890336A		WO 9911070	Based on

US 6043845A	August 29, 1997	1997US-0920386	
GB 2346286A	August 25, 1998	1998WO-US17601	
GB 2346286A	March 27, 2000	2000GB-0007434	
GB 2346286A		WO 9911070	Based on
CN 1273003A	August 25, 1998	1998CN-0808699	

INT-CL (IPC): H04 N 1/419; H04 N 5/202; H04 N 5/44; H04 N 7/18

ABSTRACTED-PUB-NO: GB 2346286B
BASIC-ABSTRACT:

NOVELTY - The video signal is sampled and compressed into 3 or 5 bit composite values depending on whether PREVIEW or HIGHRES mode. For the HIGHRES mode, the compressed values are written in a RAM (160). As needed the compressed values are transferred to a decoding engine (200) implemented in software (220). Which decompresses the data, and decodes the compressed values into YUV and/or RGB values.

USE - Analogue composite video information where image is represented by frames, e.g. television.

ADVANTAGE - Only needs to send 3 bpp to external computer to maintain 75% image quality level using simple circuits excluding hardware TV decoder chips, complex phase locked loop circuits or compression ICs.

DESCRIPTION OF DRAWING(S) - The figure shows a block diagram of the system where an analogue NTSC signal is captured as a digital video image.

RAM, 16

decoding engine, 200

software. 220
ABSTRACTED-PUB-NO:

US 6043845A
EQUIVALENT-ABSTRACTS:

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WO 9911070A

CHOSEN-DRAWING: Dwg.1/8

TITLE-TERMS: VIDEO COMPRESS DECOMPRESS CAPTURE SYSTEM ANALOGUE COMPOSITE VIDEO INFORMATION IMAGE REPRESENT FRAME

DERWENT-CLASS: T01 U21 W04

EPI-CODES: T01-J10D; U21-C01E; W04-P01E1;

SECONDARY-ACC-NO:
Non-CPI Secondary Accession Numbers: N1999-150959

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